

IN THE CLAIMS:

1. (Original) A generating set utilizing falling water flow, comprising:

a substantially vertically standing cylindrical frame having an introduction port at its top end for introducing falling water flow and a discharge port at its lower end for discharging the falling water flow so as to pass the falling water flow through the cylindrical frame;

a conveyer circulatably provided inside the cylindrical frame in the vertical direction via a rotary shaft in a loop-like tensed state;

a plurality of buckets disposed in the longitudinal direction along an outer surface of a circulating portion of the conveyer and fixed thereto at predetermined intervals, into which the falling water flow is introduced and the openings of which face in the direction opposite to the circulating direction of the conveyer; and

a generator connected to the rotary shaft which supports the conveyer and rotates with the circulation of the circulating portion of the conveyer, characterized in that the buckets, the openings of which face in the upward direction, lined up on the outer surface of one side of the circulating portion of the conveyer are arranged along a passage through which the falling water flow introduced from the introduction port into the inside of the cylindrical frame passes.

2. (Original) A generating set as set forth in claim 1, characterized in that a funnel for introducing the falling water flow into the inside of the cylindrical frame through the introduction port is provided on the introduction port at the upper end of the cylindrical frame.

3. (Currently Amended) A generating set as set forth in claim 1 ~~or 2~~, characterized in that a storage tank for temporarily storing the falling water flow to be introduced into the inside of the cylindrical frame through the introduction port is provided.

4. (Currently Amended) A generating set as set forth in claim 1, ~~2 or 3~~, characterized in that guide plates for introducing the falling water flow into the buckets are provided on outer edges of the openings of the respective buckets lined up on the outer surface of the circulating portion of the conveyor in the longitudinal direction in such a manner that the guide plates stand up diagonally outward opposite to the trunk side of the buckets.

5. (Currently Amended) A generating set as set forth in claim 1, ~~2, 3 or 4~~, characterized in that the conveyor is formed by a combination of a chain and sprockets.

6. (New) A generating set as set forth in claim 2, characterized in that a storage tank for temporarily storing the falling water flow to be introduced into the inside of the cylindrical frame through the introduction port is provided.

7. (New) A generating set as set forth in claim 2, characterized in that guide plates for introducing the falling water flow into the buckets are provided on outer edges of the openings of the respective buckets lined up on the outer surface of the circulating portion of the conveyor in the longitudinal direction in such a manner that the guide plates stand up diagonally outward opposite to the trunk side of the buckets.

8. (New) A generating set as set forth in claim 3, characterized in that guide plates for introducing the falling water flow into the buckets are provided on outer edges of the openings of the respective buckets lined up on the outer surface of the circulating portion of the conveyor in the longitudinal direction in such a manner that the guide plates stand up diagonally outward opposite to the trunk side of the buckets.

9. (New) A generating set as set forth in claim 2, characterized in that the conveyer is formed by a combination of a chain and sprockets.

10. (New) A generating set as set forth in claim 3, characterized in that the conveyer is formed by a combination of a chain and sprockets.

11. (New) A generating set as set forth in claim 4, characterized in that the conveyer is formed by a combination of a chain and sprockets.

12. (New) A system for generating electrical power from water flow, comprising:
a frame unit;
a first shaft rotably mounted on the frame unit;
a generator operatively mounted to the shaft for generating electricity as the shaft rotates;
a second shaft rotably mounted on the frame unit;
an elongated endless conveyor member operatively supported on the first and second shafts, the conveyor member having a plurality of spaced bucket projections extending

outward from an exterior surface of the conveyor member for receiving and temporarily retaining water; and

a funnel member capable of receiving and directing water, the funnel member directs the water above and to one side of the conveyor member that juxtapositions the bucket members to receive and temporarily retain water so that release of the water to fall by gravity will impact the respective spaced bucket projections to drive the conveyor member to rotate.

13. (New) The system as set forth in claim 12 further including an inclined guide plate on an outer edge of each bucket projection extending parallel to the exterior surface of the conveyor member.

14. (New) The system as set forth in claim 13 wherein the conveyor member includes a chain that engages complementarily sprockets on the respective first and second shafts.

15. (New) The system as set forth in claim 14 further including a storage tank for holding water connected to the funnel member.

16. (New) The system as set forth in claim 15 further including a speed increaser unit is connected between the first shaft and the generator to increase the rotary speed applied to the generator.

17. (New) The system as set forth in claim 16 further including a storage battery connected to the generator.

18. (New) The system as set forth in claim 17 further including a cylindrical outer housing extending around the sides of the frame unit.